



MDOT Compensatory Mitigation Program

Program Human Resources

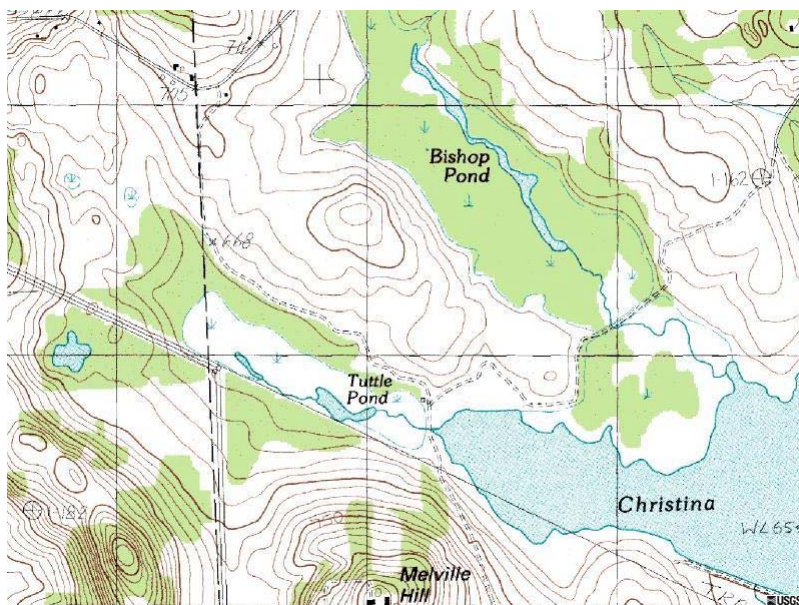
- Deane Van Dusen – Program Supervisor/Project Manager
- Mark Lickus – Program Technical Advisor/Project Manager

Determining Compensation Requirement

- Avoidance & minimization
- Compensation thresholds
- MDEP
- ACOE

Site Search

- Compensation sites should have similar functions and values as impacted areas
- Generally suitable for wetland restoration, enhancement, preservation or creation
- Water budget requirement

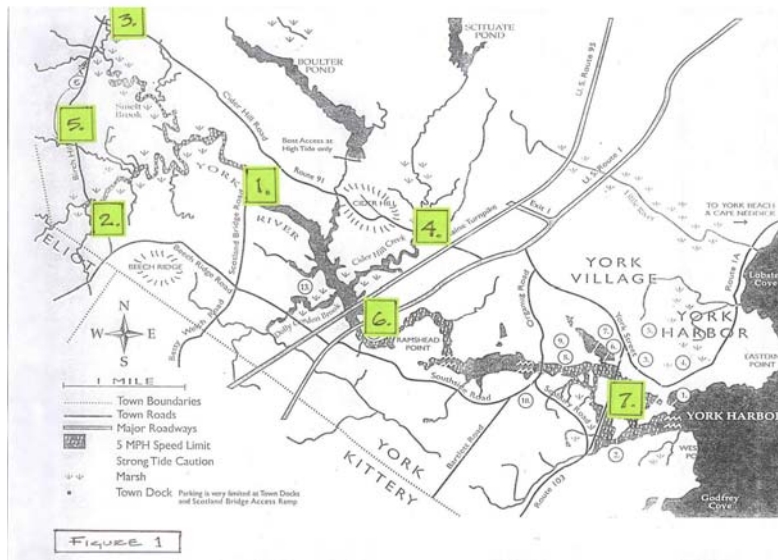




Site Search

- Site search protocol:
 - on project site
 - off project site within same watershed
 - off site adjacent watershed
- Group of viable sites are presented to the Regulatory Agencies for selection





Preliminary Compensation Plan

- This plan is written and submitted to regulators with the highway or bridge permit application
- Provides functions & values assessment of project impact areas
- Provides existing conditions, goals and proposed construction activities at selected compensation site(s)

Preliminary Compensation Plan

- Sites generally fall into two categories:
 - those requiring construction
 - those to be preserved in their present state

PS&E

- Designing these ecosystems requires knowledge in hydrology, soils, and botany.
- Plans often include:
 - Grading and drainage earthwork
 - Planting (herbaceous & woody material)
 - Seeding
 - Other incidental items
 - Engineer's estimate

Construction

- Pre-Construction Meeting
- Oversee earthwork, locating topsoil salvage and stockpile areas
- Planting and seeding
- Other related work necessary to construct the compensation project
- Construction record keeping
- Establishment Period







Post-Construction Monitoring

- Annually for 3-10 years
- Monitoring Plan identifying the study protocol and performance standards
- Data collection
- Annual and final reports
- Regulatory agency sign off
- Protective C&R or conservation easement







Compensation Site Remediation

- Regulatory agencies may request additional site work if goals of the compensation plan are not met through the post-construction monitoring period
- Reconstruction on-site
- New work on another site
- Post-construction monitoring period

Long-Term Management

- MDOT Periodic monitoring
- Long-term stewardship arrangements are usually made during the preliminary compensation plan development
- Individual sites are transferred to Local/Town resource groups, State and Federal land management agencies

